

second step reaction of group I introns). We propose that the spliceosome generates a group I-like catalytic site to execute the second step of pre-mRNA splicing. □

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1. Moore, M. J., Query, C. C. & Sharp, P. A. In *The RNA World* (eds R. Gesteland & J. Atkins), 303–357 (Cold Spring Harbor Laboratory Press, New York, 1993).
2. Guthrie, C. *Science* **253**, 157–163 (1991).
3. Ruby, S. W. & Abelson, J. *Trends Genet.* **7**, 79–85 (1991).
4. McSwiggen, J. A. & Cech, T. R. *Science* **244**, 679–683 (1989).
5. Rajagopalan, J., Doudna, J. A. & Szostak, J. *Science* **244**, 692–694 (1989).
6. Knowles, J. R. *Adv. Rev. Biochem.* **49**, 877–919 (1980).
7. Eckstein, F. *Adv. Rev. Biochem.* **54**, 367–402 (1985).
8. Moore, M. J. & Sharp, P. A. *Science* **256**, 992–997 (1992).
9. Eckstein, F., Schulz, H. H., Rüterjans, H., Haar, W. & Maurer, W. *Biochemistry* **11**, 3507–3512 (1972).
10. Burgers, P. M. J. & Eckstein, F. *Proc. natn. Acad. Sci. U.S.A.* **75**, 4798–4800 (1978).
11. Bryant, F. R. & Benkovic, S. J. *Biochemistry* **18**, 2825–2828 (1979).
12. Potter, B. V. L., Connolly, B. A. & Eckstein, F. *Biochemistry* **22**, 1369–1377 (1983).
13. Maschhoff, K. L. & Padgett, R. A. *Nucleic Acids Res.* **20**, 1949–1957 (1992).
14. Yarus, M. *FASEB J.* **7**, 31–39 (1993).
15. Steitz, T. A. & Steitz, J. A. *Proc. natn. Acad. Sci. U.S.A.* **90**, 6498–6502 (1993).
16. Pecoraro, V. L., Hermes, J. D. & Cleland, W. W. *Biochemistry* **23**, 5262–5271 (1984).
17. Reilly, D. J., Wallace, J. C., Melham, R. F., Kopp, D. W. & Edmonds, M. *Meth. Enzym.* **180**, 177–191 (1989).
18. Nelson, P. S., Bach, C. T. & Verheyden, J. P. H. *J. org. Chem.* **49**, 2314–2317 (1984).
19. Sharp, P. A. *Cell* **42**, 397–400 (1985).
20. Cech, T. R. *Cell* **44**, 207–210 (1986).
21. Cech, T. R. *Adv. Rev. Biochem.* **59**, 543–568 (1990).
22. Suh, E.-R. & Waring, R. B. *Nucleic Acids Res.* **20**, 6303–6309 (1992).
23. Michel, F., Hanna, M., Green, R., Bartel, D. P. & Szostak, J. W. *Nature* **342**, 391–395 (1989).
24. Been, M. D. & Perrotta, A. R. *Science* **252**, 434–437 (1991).
25. Herschlag, D., Piccirilli, J. A. & Cech, T. R. *Biochemistry* **30**, 4844–4854 (1991).
26. Parker, R. & Siliciano, P. G. *Nature* **361**, 660–662 (1993).
27. Hornig, H., Aeby, M. & Weissmann, C. *Nature* **324**, 589–591 (1986).
28. Aeby, M., Hornig, H. & Weissmann, C. *Cell* **50**, 237–246 (1987).
29. Lamond, A. I., Konarska, M. M., Sharp, P. A. *Genes Dev.* **1**, 532–543 (1987).
30. Frank, D., Patterson, B. & Guthrie, C. *Molec. cell. Biol.* **12**, 5197–5205 (1992).
31. Mermoud, J. E., Cohen, P. & Lamond, A. I. *Nucleic Acids Res.* **20**, 5263–5269 (1992).
32. Fabrizio, P. & Abelson, J. *Science* **250**, 404–409 (1990).
33. McPhee, D. S. & Abelson, J. *Cell* **71**, 819–831 (1992).
34. Stec, W. J., Zon, G., Egan, W. & Stec, B. J. *Am. chem. Soc.* **106**, 6077–6079 (1984).
35. Applied Biosystems Model 380 User Bulletin 44, 1–18 (1987).
36. Milligan, J. F. & Uhlenbeck, O. C. *Meth. Enzym.* **180**, 51–62 (1989).

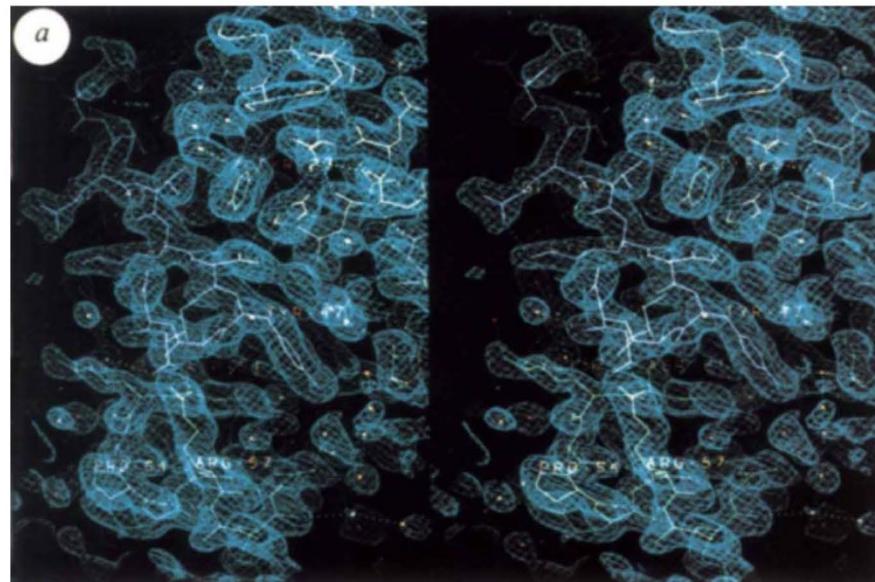
ERRATA

Crystal structure of active elongation factor Tu reveals major domain rearrangements

Harald Berchtold, Ludmila Reshetnikova, Christian O. A. Reiser, Norbert K. Schirmer, Mathias Sprinzl & Rolf Hilgenfeld

Nature **365**, 126–132 (1993).

COPIES of the 9 September issue printed in Europe contained an error in this article. On page 127, instead of Fig. 2a, the image for Fig. 3a was repeated. US and Japanese editions were correct. Figure 2a is shown below. □



Vegetation effects on the isotope composition of oxygen in atmospheric CO₂

Graham D. Farquhar, Jon Lloyd, John A. Taylor, Lawrence B. Flanagan, James P. Syvertsen, Kerry T. Hublick, S. Chin Wong & James R. Ehleringer

Nature **363**, 439–443 (1993)

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Also, the symbol δ_c used in the first sentence of the second new paragraph on page 442 should be δ_r , the oxygen isotope composition of respired CO₂. □